



KENAN GONNOT

MACHINE LEARNING ENGINEER JUNIOR

Looking for an ML engineer or MLOps position.
Open to other opportunities

Junior
Young graduate

<https://kenan.gonnot.net>

PROFILE

Young graduate
24 years old
Dual nationality (French | Japanese)

CONTACT

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PROGRAMMING SKILLS

- **Languages:** Python, JavaScript, TypeScript, SQL
- **Cloud:** Docker, Kubernetes, Kubeflow, AWS, Azure, GCP, Vast.AI, bash (Unix), Git
- **IDE:** PyCharm, IntelliJ, Google Colab, Jupyter, WebStorm.

LANGUES

- **English :** TOEIC 815pts
- **Japanese :** Mother tongue

INTERESTS

- Gym, soccer
- Japanese culture, Manga
- Travel
- Programming
- Video games

SOFT SKILLS

Perseverance, autonomous, adaptive



<https://github.com/kenanGonnot>



FORMATIONS

- 2023  **Master 2 / BAC +5 | Engineering school - ESME Sudria | esme.fr**
Specialization: Artificial Intelligence | 2017 - 2023
- 2022 **The Docker | Kubernetes platform**
certificate : Udemy | 2022 | 2 weeks
- 2021 **Specialization deep learning (5 modules) - DeepLearning.AI**
certificate : coursera.org | 2021 | 6 months
- 2020 **ERASMUS+ - Institute of technology | Sligo (IRELAND)**
Programmation Control and Instrumentation | 2020
- 2020 **Machine Learning - Stanford online**
certificate : coursera.org | 2020 | 2 months

EXPERIENCES

- 2024 **Freelance - AI Engineer**
Freelance | March 2024 - Present | [Manuquip.com](https://manuquip.com)
 - **Project Implementation:** Led a software development project for a small company in the construction supplies sector, tasked with extracting product data from supplier PDFs to generate a comprehensive Excel dataset.
 - **Technical Expertise:** Use of Retrieval-Augmented Generation (RAG), employing advanced LLM models such as ChatGPT and Mistral, to extract and accurately transform complex data from various PDF formats into structured Excel sheets.
 - **Software Solution:** Development of "PDFToExcel", a tailor-made application designed to streamline the process of converting data and creating datasets to improve the website of the company.
 - **Agile Methodology:** Collaborate closely with the Manuquip team using Agile practices, facilitating rapid development cycles, continuous feedback and iterative improvements to meet evolving project requirements effectively.
- 2023 **LLM Project - Large Language Models**
Project | July 2023 - January 2024 | Available at <https://kenan.gonnot.net>
 - **LLM Text Generation and Deployment:** Led the training of a Transformer-decoder model on a 10GB French corpus for up to 255,000 epochs, using models ranging from 10M to 119M parameters, with a focus on tokenization and hyperparameter optimization. Managed deployment infrastructure using Flask, Docker, and Kubernetes, leveraging vast.ai's advanced NVIDIA GPU capabilities for optimal performance.
- 2022 **Junior Machine Learning Engineer - Internship**
Internship | July 2022 - December 2022 | 6 months | [Inagua.ch](https://inagua.ch)
 - **Context:** At a dynamic startup focused on educational training, I led the launch of an AI project to enhance learner engagement, utilizing Agile methods for swift and adaptive development.
 - **AI Implementation:** Developed an interactive web-based learning chatbot, automated personalized MCQ generation, and implemented spaCy and Transformer models for advanced text analysis and summary generation.
 - **Deployment and MLOps:** Managed AI application deployments using Kubernetes on Heroku and GCP, and prototyped an ML pipeline with Kubeflow to streamline operational processes.
 - **Professional Experience:** Employed Agile methodology with my mentor to effectively navigate and adapt to challenges such as memory constraints and processing times, ensuring continuous project alignment and improvement.
- 2021 **Intern IOT - Operator Information System - Visualisation**
EIPP | July 2021 - September 2021 | 3 months
 - **Web/IoT development & Deployment:** Design of a site to visualize IoT sensors on Google Maps, with Dockerization and deployment on AWS EC2.

TECHNICAL KNOWLEDGE

Machine learning (ML): Transfer learning, Data augmentation, Active learning, Image processing, Topic modeling, Text summarization, GPT.

Frameworks and libraries: TensorFlow, Keras, scikit-learn, Pandas, Numpy, matplotlib, PyTorch, Selenium, BeautifulSoup, OpenCV, Flask, NodeJS, AngularNg, Transformers, HuggingFace.